

DESCRIPTION

This specification covers the material and fabrication requirements for Rigid Mount Signal Bracket Assembly.

MATERIALS AND CONSTRUCTION**Materials**

All castings shall be a cast aluminum alloy as follows:

Saddle-	alloy	#535
Swivel-	alloy	#535
Top Arm-	alloy	#319
Bottom Arm-	alloy	#319
Bottom Cover-	alloy	#319
Caps-	alloy	#535

The tubing (pipe) for the unit shall be 6061 alloy, treated to a T6 temper. All aluminum alloys listed above are listed in Federal Specifications QQ-A-596d.

Construction

All castings shall conform to the shapes as shown on the attached drawing. All the hardware shown on the attached drawing shall be supplied as part of the bracket assembly.

The assembly shall be attached to a signal arm by stainless steel Band-it, therefore the holding bracket shall accommodate a 19mm strap or cable.

The assembly will be such that all material will be aluminum, except for the bolts, nuts, and washers, which will be chrome or cadmium plated to prevent rusting. The pipe cap may be a black plastic or aluminum.

The assembly shall be adjustable in both the vertical and horizontal plane.

The assembly shall be attached to a signal arm by a 7 x 19 stranded stainless steel aircraft cable, with a stainless steel swaged threaded stud on one end while the other end shall be electric cut and sealed so the strands will not unravel. The cable shall be 5mm x 965mm.

The aluminum tubing shall be schedule 40, 6061-T6, 40mm by either 1.5m - Type "A", 1.8m - type "B" or 1.2m - Type "C".

BASIS OF PAYMENT

The unit bid price for this item shall include the furnishing of all labor, materials, tools, equipment, and incidentals as necessary to complete the work.

ITEM 686.8116M RIGID MOUNT SIGNAL BRACKET ASSEMBLY

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
686.8116M	Rigid Mount Signal Bracket Assembly	EA

BASIS OF ACCEPTANCE:

A sample of the complete assembly shall be supplied to MCDOT, for approval. The manufacturer shall also furnish a certification of compliance that the assembly meets the specifications.